



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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INSPECTION REPORT

Inspection Date and Time: March 27, 2003, about 1:25 to 1:40 PM

Date of Last Inspection: September 8, 2000

Mine Name: Bacon Rock Number: S/037/101 County: San Juan Status: Reclaimed
Operator: Bedrock Stone Company Participants: Ted McDougall (BLM) and Paul Baker
Weather conditions: Mostly clear, 30's

Purpose of the inspection:

The site has been regraded and seeded, and I wanted to see if there were any issues that needed to be addressed before vegetation becomes established.

Portions of the operation examined:

	Evaluated	Comments	Potential Noncompliance
Permitting issues	<u>(X)</u>	<u>(X)</u>	<u>0</u>
1. Bond up to date?	<u>0</u>	<u>0</u>	<u>0</u>
2. Permitted acreage matches the site?	<u>0</u>	<u>0</u>	<u>0</u>
Operations			
3. Topsoil			
a. Salvage	<u>0</u>	<u>0</u>	<u>0</u>
b. Protection	<u>0</u>	<u>0</u>	<u>0</u>
4. Access roads permitted and maintained?	<u>0</u>	<u>0</u>	<u>0</u>
5. Hydrology			
a. Offsite sedimentation?	<u>0</u>	<u>0</u>	<u>0</u>
b. Maintenance of runoff control structures?	<u>0</u>	<u>0</u>	<u>0</u>
c. Accelerated erosion?	<u>0</u>	<u>0</u>	<u>0</u>
d. Water discharges in compliance?	<u>0</u>	<u>0</u>	<u>0</u>
6. Toxic/hazardous materials	<u>0</u>	<u>0</u>	<u>0</u>
a. Proper storage?	<u>0</u>	<u>0</u>	<u>0</u>
b. Proper disposal?	<u>0</u>	<u>0</u>	<u>0</u>
7. Explosives			
a. Stored properly?	<u>0</u>	<u>0</u>	<u>0</u>
b. Blasting records kept properly?	<u>0</u>	<u>0</u>	<u>0</u>
c. Warning signs/closures?	<u>0</u>	<u>0</u>	<u>0</u>
8. Waste disposal			
a. Mine waste being placed where shown in plan?	<u>0</u>	<u>0</u>	<u>0</u>
b. Garbage being disposed of neatly and correctly?	<u>0</u>	<u>0</u>	<u>0</u>
9. Other aspects of operations	<u>0</u>	<u>0</u>	<u>0</u>
a. Highwalls	<u>0</u>	<u>0</u>	<u>0</u>
b. Air Quality	<u>0</u>	<u>0</u>	<u>0</u>
c. Equipment/structures match the plan?	<u>0</u>	<u>0</u>	<u>0</u>
Reclamation			
10. Grading according to plan	<u>(X)</u>	<u>(X)</u>	<u>0</u>
11. Mine waste disposal	<u>0</u>	<u>0</u>	<u>0</u>
12. Topsoil application/depth	<u>(X)</u>	<u>(X)</u>	<u>0</u>

13. Revegetation

a. Timing	<u>0</u>	<u>0</u>	<u>0</u>
b. Seed mix	<u>(X)</u>	<u>(X)</u>	<u>0</u>
c. Planting method	<u>(X)</u>	<u>0</u>	<u>0</u>
d. Noxious weeds	<u>0</u>	<u>0</u>	<u>0</u>
e. Growth	<u>(X)</u>	<u>(X)</u>	<u>0</u>

Observations and conclusions (numbered according to the categories above):

Permitting Issues

The BLM has released the site, and although the grading has been adequate and the site has been seeded with vegetation starting to grow, Division regulations require a three-year period after seeding to ensure that vegetation becomes established. Therefore, the Division will not yet be able to release the site.

10. Grading

The grading matches surrounding areas very well (Photo 2). Mr. McDougall said the operator tried to pull up as much material as possible from the outslope of the quarry (Photo 1). On the east side of the quarry, the top is fairly flat with a sudden dropoff at the edge of the outslope (Photo 1). There is a possibility this could lead to erosion problems, but I don't think so because of the amount of rock in the surface. In general, I am pleased with how the site was graded.

12. Topsoil application/depth

The surface was not left particularly rough, but there is a lot of rock in the soil. I don't anticipate erosion problems, and the rock should help to increase water infiltration which, in turn, helps vegetation establishment and growth.


13. Revegetation

b. Seed Mix

The operator apparently broadcast seeded, so we were able to find some seed on the surface. Mr. McDougall said the seed mix was supposed to have included fourwing saltbush, but we were only able to find grass seeds. All of the seeds I found were wheatgrass, but I am unsure which species. They looked much like western wheatgrass, but other species could have been present.

e. Growth

We were able to find some grass seedlings but not a lot. As a general rule, two seedlings of seeded species per square foot is considered excellent, and we probably found one seedling for every few square feet. I am not terribly concerned, though, because the season is still early and more could germinate, and because we didn't find weeds.

 4/10/03

Inspector's name and date signed

Copies of this report sent to:

Eldon Virgil (Bedrock Stone)

Ted McDougall (BLM)

ATTACHMENT

Inspection date: March 27, 2003; Report date: April 7, 2003

Photographs

S/037/101, Bacon Rock Quarry, Eldon Virgil



Photo 1. The outslope from which the operator pulled material.



Photo 2. An overview of the regraded quarry.